March 4, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 3/02/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
PRs 14-09 through 20-09	FM1, FM2, FM3, FM4	ValR12	BDS, ES-8, ES-4, ES-9	1.3P3, 1.2P1, 2.4P1, 2.2P1, 2.3P1, 2,3P2, 3.1P1	9/07, 5/08, 2/08	Process immediately upon delivery and promotion of gains and SRF
Standing requests AM- PR 1-05 to 7-05	Terra	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests AM- PR 1-00 to 7-00.
Standing requests PM-PRs 15-05 to 18-05	FM3	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 1-05 to 4-05.
Standing requests PM-PRs 11-05 to 14-05	FM4	Ed1-CV-NoSW	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 7-05 to 10-05.

Table 1: Process Strategy/Coleman as of 3/02/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 3-09	FM3 or FM4	Edition2	TSI	7.1.1P1	7/1/2002 – 10/31/05	In Progress.
PR 2-09	FM3 or FM4	Edition2B	SYNI	7.2.1P1	7/1/2002 – 10/31/05	In Progress.
PR 1-09	FM3 or FM4	Edition2B	SYN/AVG /ZAVG	8.1P1	7/1/2002 – 10/31/05	In progress
PR 6-09	FM1 or FM2	Edition2C	TSI	7.1.1P1	3/1/2000 – 10/31/05	In Progress.
PR 5-09	FM1 or FM2	Edition2C	SYNI	7.2.1P1	3/1/2000 – 10/31/05	In Progress.
PR 4-09	FM1 or FM2	Edition2C	SYN/AVG /ZAVG	8.1P1	3/1/2000 – 10/31/05	In progress
PR13-09	CERES	DAO-G5-CERES	MOA	12.1P1	1/1/08 – 1/1/09	Ready
PR 12-09	CERES	DAO-G5-CERES	PMOA	9.1P1	1/08 – 12/08	
PRs 21-09 through 28-09	FM1, FM2, FM3, FM4	Edition2	BDS, ES-8, ES-4, ES-9	2.4P1, 1.3P3, 1.2P1, 2.2P1, 2.3P1, 2.3P2, 3.1P1, 3.2P1	9/2/07 – 1/1/09	Pending promotion. Need to process 8/2/07 – 1/1/08 at high priority, then lower priority on 2008 dates
PR 57-08	FM1, FM2	Edition2A-QC	SSFI Clouds	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/07 – ~~9/1/07~~ 1/11/08	Extended to 12/31/07 Pending input
PR 56-08	FM1, FM2	Edition2F	SSF Inversion	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/07 – ~~9/1/07~~ 1/01/08	Extended to 12/31/07 Pending input
PR 55-08	FM1, FM2	Edition2F	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – ~~9/1/07 hr 11~~ 1/1/08 hr 11	Extended to 12/31/07 Pending input
PR 54-08	FM1 V005 MOD08	Edition2F	CRS Inst SARB	5.0P1 5.1P1 5.4P1	1/1/07 – ~~8/31/07~~ 12/31/07	Extended to 12/31/07 Pending Input

Table 1: Process Strategy/Coleman as of 3/02/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 53-08	FM1	Edition2F	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – ~~8/31/07~~ 12/31/07	Extended to 12/31/07 Pending input
PR 84-08	FM1 or FM2	Beta1	ISCCP-D2like-Day/Nit	9.0P1	03/2000 – ~~08/2007~~ 12/2007	Extended to 12/31/07
PR 33-09	FM3, FM4	Edition1B	SSFI	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	9/1/07 – 1/01/08	Pending input
PR 32-09	FM3, FM4	Edition2C/NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	9/1/07 – 1/01/08	Pending input
PR 31-09	FM3, FM4	Edition2C/NoSW	SFC	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – ~~9/1/07 hr 11~~ 1/1/08 hr 11	Pending input
PR 30-09	FM3	Edition2C	CRS	5.0P1 5.1P2 5.4P2	9/1/07 – 12/31/07	Pending input
PR 29-09	FM3	Edtion2C	FSW	6.1P1 6.2P1 6.3P1	9/1/07 – 12/31/07	Pending input
PR 64-08	FM3, FM4	Edition1B-IGBP	SSFI Clouds	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	01/01/2004 – 12/31/2005	In Progress - IN THE BACKGROUND PRIORITY
PR 63-08	FM3, FM4	Ed2C-MOD-C4-Land-IGBP	SSF Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	01/01/2004 – 12/31/2005	In Progress
PR 7-09	FM1	ValR12	CRS Inst SARB	5.0P1 5.1P1 5.4P1	5/1/07 – 5/31/07	Pending promotion
PR 29-09		ValR14	EICE ESNOW (SS4.1)	4.1-4.0P2	6/17/08	Pending Promotion

Table 1: Process Strategy/Coleman as of 3/02/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 38-09		ValR14-Mesh16	EICE ESNOW (SS4.1)	4.1-4.0P2	6/17/08	Pending Promotion
PR 37-09	FM1, FM2	ValR14	SSFI	Clouds delivery to *magneto*	8/07	Pending promotion
PR 36-09	FM1, FM2	ValR14	SSF	Inversion delivery to *magneto*	8/07	Pending promotion
PR 35-09	FM3, FM4	ValR14	SSFI	Clouds delivery to *magneto*	8/07	Pending promotion
PR 34-09	FM3, FM4	ValR14	SSF	Inversion delivery to *magneto*	8/07	Pending promotion
PR 11-09	FM3	ValR10	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	6/30/07 – 8/1/07	Pending promotion
PR 10-09	FM3	ValR10	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	6/30/07 – 8/1/07	Pending promotion
PR 09-09	FM1	ValR10	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	4/30/07 – 6/1/07	Pending promotion
PR 08-09	FM1	ValR10	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	4/30/07 – 6/1/07	Pending promotion

Table 2. March 4, 2009 - System Issues and Status

Activity	Lead	Status
CM/Documentation	Ayers (Saunders)	• See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • Clouds (SCCR 693) was successfully installed, compiled, and tested on *magneto-P4* and released to the ASDC (2/24/09). (Ayers) • The TISA Gridding (SCCR 685) updates for PGEs CER6.1P1, CER6.2P1, and CER9.2P1 are being tested on *magneto-P4*. (Ayers) • The Regrid MOA (SCCR 705) files were delivered to CM. Testing will begin after TISA Gridding is released to the ASDC and the CERESlib delivery is received and installed. (Ayers) • The Clouds Test Plan and the Instantaneous SARB and Inversion Operator's Manuals were updated, posted on the Web, and provided to the ASDC. (Saunders) • An updated Instantaneous SARB (SCCR 692) script was installed on *magneto* to correct a problem found during operational testing. (Ayers) • The File Management Policy was updated and posted on the Web. (Saunders) • The Inversion, TISA Gridding, and Regrid MOA Requirements Logs were updated and posted on the Web. (Saunders) • The Instantaneous SARB, Inversion, Instrument, Clouds and Regrid MOA sections of the Promoted Directories document were updated and provided to the ASDC. (Ayers) • The first phase of updates to the CERES process plans was begun. (Saunders, Ayers) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – March 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
CERESlib (SCCR 707)	February 13	February 27	March 6	Regrid MOA updates.			*magneto-P4*
Regrid MOA (SCCR 705)	February 13	February 27	March 6	To process the G5 CERES data that will be coming to support Edition3 (PGE CER12.1P2).	X	X	*magneto-P4*
Instrument (SCCR 702)	March 13	March 27	April 3	NPP-enabled PGE CER1.1P7, possibly CER1.2P1 (preES-8).		X	*warlock*
ERBE-like (SCCR 696)	March 13	March 27	April 3	To process everything including all of Edition3 on *magneto*.			*magneto-P4*
Instrument (SCCR 703)	March 20	April 3	April 10	NPP C++ Build 1 (CER1.1P8).		X	*magneto-P4*
GGEO (SCCR 653)	April - May			Initial coefficient delivery for 11/05 - 8/07. Code delivery to support Beta10 GGEO processing. New PGE (CER11.1P11) to read B1U data.		X	*magneto-P4*
Clouds	April 17	May 1	May 8	Terra and Aqua Beta2-Edition3.			*magneto-P4*
Inversion (SCCR 704)	May 1	May 15	May 22	Terra and Aqua Beta2-Edition3.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – March 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
TISA Averaging (SCCR 650)	Within four weeks of GGEO Beta10 delivery			Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1, CER10.0P2, & CER10.0P3.	X	X	*magneto-P4*
TISA Gridding	May 22	June 5	June 12	SFC Beta2-Edition3.			*magneto-P4*
TISA Averaging	June 26	July 10	July 17	SRBAVG Beta2-Edition3. Adding Model C surface fluxes and solar insulation.			*magneto-P4*
GGEO	Summer			New PGE 11.7P2 (?) for new ISCCP-D2-like-Merge (?) product. All ISCCP-D2-like HDF products will have the same format.		X	*magneto-P4*
TISA Gridding	Summer			Edition version of ISCCP-D2-like-Day/Nit. All ISCCP-D2-like HDF products will have the same format.			*magneto-P4*
GGEO	Summer			Edition version of ISCCP-D2-like-GEO. All ISCCP-D2-like HDF products will have the same format.			*magneto-P4*
Instrument	Summer			PGE CER1.1P7 to X86.			*Magneto-X86 (?)*

Table 3. CERES Subsystem Delivery Schedule – March 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
Clouds	Late 2009			Terra and Aqua Edition3			*magneto-P4*
Inversion	Late 2009			Terra and Aqua Edition3			*magneto-P4*
TISA Gridding	January 2010			New PGE 9.0P2 (?) for new ISCCP-D2-like-Flux (?) product. All ISCCP-D2-like HDF products will have the same format.		X	*magneto-P4*
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.			*magneto-P4*
Inversion	Two to four weeks after Clouds			Support TRMM VIRS-only processing.			*magneto-P4*
Instrument (SCCR 641)	???			Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	*magneto-P4*

Table 4. CERES Coefficients Delivery Schedule – March 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
Instrument/ ERBE-like	N/A	Spring		Edition2 gains and spectral response function files for September 2007 – December 2008.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	Summer		Terra and Aqua Edition3 gains and spectral response function files for Launch – December 2006. Might include TRMM, also.	*warlock/ magneto*
GGEO	???			Final coefficients for 11/05 - 08/07.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	*warlock/ magneto*

Table 5. SCCR Activity February 16 at 4:00 p.m. – March 3 at 2:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
685		X				6 & 9	10	
697				X		CERESlib		
699			X	X		4.5 & 4.6		
704	X					4.6	12	
705	X					12	14	
706	X					12	15	CERESlib updates
707	X					CERESlib	16	

S=Submitted; **U**=Updated; **A**=Approved; **C**=Closed; **D**=Disapproved; **SS**=Subsystem

CERES Software Configuration Change Request Submittal
==========

Subsystem: TISAgrid SCCR Date: 10/02/2008 SCCR Number: 685

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Requirement #s: 9-2.1; 9-3.1; 9-4.1 - Subsystem 9 delivery to process on magneto.
Requirement #s: 6-1.1; 6-2.1; 6-3.1 - Subsystem 6 delivery to process on magneto.

Reason for Change (non-Science):
Requirement #s: 9-2.1; 9-3.1; 9-4.1 - To support Edition2 Terra and Aqua SFC processing on magneto.
Requirement #s: 6-1.1; 6-2.1; 6-3.1 - To support Edition2 Terra and Aqua FSW processing on magneto.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: 9.2P1, 9.3P1, 9.4P1, 6.1P1, 6.2P1, 6.3P1

Estimated Time to Complete Change: 6 weeks
Planned Delivery Date: November 14, 2008
List Affected Subsystems and PGE Names: Subsystem 9 and Subsystem 6

Date: 10/21/2008 Status: UNKNOWN

Originator: RAJU, RAJA (SSAI)

==========
ADDITIONAL CHANGES TO SCCR NO. 685:
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Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Requirement #s:9-2.2;6-1.2 - To use updated ephemeris from solar_declination routine.
Requirement #s:6-2.2 - Not to include overlap data records on FSW binary and HDF products.

Reason for Change (Science):
Requirement#s:9-2.2;6-1.2 - Modified seconds from T00: to T12: in UTC.
Requirement #:6-2.2 - The overlap data to model diurnal variations of the first & last day is not used in Tisa Averaging process.

Description of Change (non-Science):
n/a

Reason for Change (non-Science):
n/a

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: CER9.2, CER6.1, CER6.2, CER6.3

Estimated Time to Complete Change: 1 week
Planned Delivery Date: Friday 27, February 2009
List Affected Subsystems and PGE Names: Subsystem 6 & 9

Date & Time: 2009-02-23 10:30:37

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal
==========

Subsystem: Inversion4.6 SCCR Date & TIME: 2009-02-19 10:34:22 SCCR No.: 704

Parameter Change: (X) YES ( ) NO

Description of Change (Science):
Create new PGE's for Aqua and Terra Edition3 processing.

New Algorithms added:
Estimated Inversion Strength (SSF-60b) (Req. 4.5-12) Constrained Near-Surface Air Temperature for DLF calculations
(SSF-59b) (Req. 4.5-13)
LW Model C (SSF-49a through SSF-49c) (Req. 4.5-14) CERES SW TOA flux - downwards (SSF-38a) (Req. 4.5-20) CERES downward SW surface flux - Model B, clearsky (SSF-46a) (Req. 4.5-20) CERES downward LW surface flux - Model B, clearsky (SSF-47a) (Req. 4.5-20)

Updated algorithms:
LW Model A (SSF-42 and SSF-45) (Req. 4.5-15) LW Model B (SSF-47, SSF-47a and SSF-49) (Req. 4.5-15) SW Model B (SSF-46, SSF-46a and SSF-48) (Req. 4.5-16)

New ADM's added (Req. 4.5-17):
Terra ANN SW ADM's
Fresh Snow
Permanent Snow
Sea Ice

Additional Ancillary files (Support SW Model B):
Monthly Average of Solar Zenith Angle
Clear sky Surface Albedo

Reason for Change (Science):
Implement upgraded LW Model A, LW Model B and SW Model B algorithms. Also, implement new algorithms LW Model C and Estimated Inversion Strength.

Description of Change (non-Science):
Update all interfaces to utilize the new Edition3 SSF.

Reason for Change (non-Science):
Implement Edition3 SSF.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
CERES SW TOA flux - downwards (SSF-38a)
CERES downward LW surface flux - Model A (SSF-42)
CERES downward WN surface flux - Model A (SSF-43)
CERES net LW surface flux - Model A (SSF-45)
CERES downward SW surface flux - Model B (SSF-46)
CERES downward SW surface flux - Model B clearsky (SSF-46a)
CERES downward LW surface flux - Model B (SSF-47)
CERES downward LW surface flux - Model B clearsky (SSF-47a)
CERES net SW surface flux - Model B (SSF-48)
CERES net LW surface flux - Model B (SSF-49)
CERES downward LW surface flux - Model C (SSF-49a) CERES downward LW surface flux -

Model C clearsky (SSF-49b)
CERES net LW surface flux - Model C (SSF-49c)
Constrained near-surface air temperature for DLF calculations (SSF-59b)
Estimated Inversion Strength (SSF-60a)

Reason for Parameter Change:
Implement upgraded LW Model A, LW Model B and SW Model B algorithms. Also, implement new algorithms LW Model C and Estimated Inversion Strength.

Affected PGEs in this Subsystem:
CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3, CER4.5-6.4P2

Estimated Time to Complete Change: 12 weeks
Planned Delivery Date: May 15, 2009
List Affected Subsystems and PGE Names: CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3,CER4.5-6.4P2

Originator: SOTHCOTT, VICTOR E. (SSAI)

CERES Software Configuration Change Request Submittal
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Subsystem: MOA SCCR Date & TIME: 2009-02-20 14:37:55 SCCR No.: 705

Parameter Change: (X) YES ( ) NO

Description of Change (Science):
(Req# 12-2.0)
Implement 2m and 10m temperature and humidity for near surface profile levels
(Req# 12-2.1)
Write hourly temperature and humidity native-grid data to MOA file for hourly profile interpolation
(Req# 12-2.2)
G5 ozone data to become primary ozone data source

Reason for Change (Science):
(Req# 12-2.0)
Requested by Science Team
(Req# 12-2.1)
Requested by Science Team to give more accurate temporal variation in interpolated MOA data
(Req# 12-2.2) Requested by Science Team

Description of Change (non-Science):
(Req# 12-2.3)
Create new PGE for Edition3 MOA

Reason for Change (non-Science):
(Req# 12-2.3)
This will enable ASDC to run Edition2 MOA and Edition3 MOA simultaneously.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
Temperature Profiles - 3 Surface levels will contain 2m, 10m data Specific Humidity Profiles - 3 Surface levels will contain 2m and 10m data

Reason for Parameter Change:
Requested by Science Team

Affected PGEs in this Subsystem: 12.1P2

Estimated Time to Complete Change: 1 week
Planned Delivery Date: February 27, 2008
List Affected Subsystems and PGE Names: SARB, Clouds, Inversion, TISA_Avg

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal
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Subsystem: MOA SCCR Date & TIME: 2009-02-25 11:15:28 SCCR No.: 706

*** All changes described in this SCCR were made in CERESlib. ***

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
(Req# 12-2.4)
Modify moa_io modules to support changes in Edition3 MOA.
See SCCR 705 for details of these changes.

Reason for Change (Science):
(Req# 12-2.4)
Changes are necessary for insertion of hourly data into interpolated meterological profiles.

Description of Change (non-Science):
N/A

Reason for Change (non-Science):
N/A

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: CER12.1P2

Estimated Time to Complete Change: 2 days
Planned Delivery Date: February 27, 2009
List Affected Subsystems and PGE Names: None

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: CERESlib SCCR Date & TIME: 2009-03-03 13:41:56 SCCR No.: 707

*** All changes described in this SCCR were made in CERESlib. ***

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
SEE SCCR #706

Reason for Change (Science):
SEE SCCR #706

Description of Change (non-Science):
SEE SCCR #706

Reason for Change (non-Science):
SEE SCCR #706

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:
None

Estimated Time to Complete Change: 1 Day
Planned Delivery Date: 02/27/2009
List Affected Subsystems and PGE Names: All that use MOA

Originator: ZENTZ, SCOTT M. (SSAI)

Table 6. March 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Coleman Zentz	• No toolkit activity to report. (Zentz)	
1.0	Cooper (Walikainen)	• Tracking of Terra/Aqua ingest continues. (Cooper, Snyder) • New PGE numbers for the C++ code will track as follows to the existing PGEs: CER1.1P1/3/5 => CER1.1P8, CER1.2P1 remains the same, CER1.3P1 => CER1.4P1, CER1.3P2 => CER1.4P2 and CER1.3P3 => CER1.4P3. Also new Ada PGE CER1.1P7 will be delivered for NPP-FM5. (Cooper) • Work continues on testing the new PGE CER1.1P7 to support NPP. This is the Ada version of the code and it is expected to be delivered to *warlock* in late March. (Cooper) • Testing of the Ada code on the x86 platform continues. All PGEs have been tested successfully and now the only remaining problem is that the metadata files for HDF are being written to the first HDF file opened instead of to the correct metadata file. This problem is being pursued. (Chu, Cooper)	
2.0	Walikainen (Cooper)	• Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • Validated Flash Flux Spectral Response Functions for the Science Team. (Walikainen) • Generated ERBE-like single-instrument, flux time series to support Science Team analysis of proposed updates to the Edition 2 spectral responses (Sep07-Dec08). (Walikainen) • Continuing to work on SCCR 696: ERBE-like code transfer to *magneto*. (Walikainen)	
3.0	Walikainen (Cooper)	Combined with above.	

Table 6. March 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown)	• Continued loading data for the Google Map tool (have almost completed all Wednesdays thru Sundays for January, April, and July 2007). (Heckert) • Loaded new curtain images into the Google Earth file with an additional parameter. (Heckert, Gibson) • Increased the resolution of the Google Earth images to improve clarity of the new parameter. (Heckert, Gibson) • Added graphics for scale and informational boxes to Google Earth file. (Heckert) • Processed QC results for FLASHflux for Aqua and Terra for 200811 through 200901. (R. Brown) • Updating phase images for SSF results for Aqua and Terra. (R. Brown, Chen) • Working on updating ClearSky maps images for Aqua Edition1B and Terra Edition2A-QC for 2007 results. (R. Brown) • Reorganized directories to move large, easily regenerated files to directories in workArea which are not backed up. Reduced directories that are backed up from 90 GB to 5 GB. (Smith) • Continued modifying and testing CO2 additions to CERES QC code for Ed3 Beta2. (Smith) • Created programs to produce plots from new CO2 QC data. (Smith) • Continued working on 250 meter algorithm. (Sun-Mack) • Continued working on A-Train recovery. (Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller (Sun-Mack)	• Investigated run problems with cloud retrieval on x86 (both ASDC and workstation). (Miller)	

Table 6. March 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5	Sothcott	• Attended weekly SOFA working group meetings. (Sothcott) • Completed updating CVS with the Edition3 Beta1 and Edition2 IBM conversion deliveries. Both of these deliveries are in the new directory structure. Successfully exported from CVS and tested all PGEs. (Sothcott) • Continued work on the new Operator's Manual and Test Plan for the Edition3 Beta2 delivery. (Sothcott) • Started converting the Edition3 Beta1 code to the IBM cluster environment as a first step to the Edition3 Beta2 software. (Sothcott)	
4.6	Sothcott	Combined with above.	
5.0	Caldwell (Coleman)	• Working with Lindsay to address CRS subsetting problem. (Caldwell)	
7.2	Caldwell (Coleman)	• No new updates. (Caldwell)	
12.0	Caldwell (Coleman)	• Delivered Edition3 MOA as scheduled. (Caldwell)	
7.1	Nguyen (Raju, Filer)	• Run January and February 2006 data for GGEO calibration. (Nguyen)	
8.0	Nguyen (Raju, Filer)	• The standard deviations of the cloud parameters are too high. Searched for the cause of the errors and updated the code. (Nguyen)	

Table 6. March 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
10.0	Nguyen (Raju, Filer)	• Found the error in CER10.0P2 which caused the difference in the Mac and *magneto* data. (Nguyen) • Provided stand alone code for Dave Doelling to read the data with ADMs and to compute fluxes. (Nguyen) • Daacget SFCB for 2001 – 2003 to run code to write out fluxes and ADMs for Clarreo sampling study. (Nguyen) • Searching for the causes of the inconsistency in the attributes and the descriptions of the data in SRBAVG1. (Nguyen) • Ran July 2007 for MTSAT calibration. (Nguyen) • Ran January 2006 for GGEO calibration. (Nguyen)	
6.0	Raju (Nguyen)	• Modified PGE CER6.1P1 software to use updated solar_declination module. (Raju) • Removed code in the CER6.2P1 software that handled overlap hours. Updated PCF scripts not to include overlap hour files. (Raju) • Tested both PGEs CER6.1P1, CER6.2P1, and delivered to CERES CM. (Raju)	
9.0	Raju (Nguyen)	• Modified PGE CER9.2P1 software to use updated solar_declination module. (Raju) • Delivered PGE CER9.2 to CERES CM. (Raju) • Made changes to ISSCP D2like Day/Nit DPC per Dave Doelling's request. (Filer)	
11.0	Raju (Nguyen)	• Received word from Dave Doelling that the new method to calculate visible radiance for MTSAT showed improvements. Started running all satellites' data for months 11/05 – 12/07 at SCF . (Raju) • Work continued on B1U pre-processor software. (Raju)	
Special Development Corner		• No report received.	

Table 1: PGE Current Events Status Table
(Updated at team meeting, and therefore subject to the availability of team members at meeting)

Subsystem ID	PGE ID	Current PGE Production Status[1]	Scripts NOMAD compliant ? (Y/N)	New Directory Structure? (Y/N/InProg)	Prod. Platform (W, P4, P6, X86)[2,3]	TK ver15 Tested? (Y/N/ InProg)	Op Man In Word? (Y, N, or Review)	Comments
Instrument - 1	CER1.0P1	Developing	Y	InProg	Planning P4, P6	***N***	***N***	
	CER1.0P2	SSIT	Y	Y	P4[4], Planning P6	Y	Y	C++ RDR Pre-Processor
	CER1.1P1	Active	Y	Y	W, Planning X86	Y	Y	To be disabled when C++ working CER1.1P8
	CER1.1P2	Disabled	N/A	N/A	N/A	N/A	N/A	Remain disabled
	CER1.1P3	Active	Y	Y	W, Planning X86	Y	Y	To be disabled when C++ working CER1.1P8
	CER1.1P4	Disabled	N/A	N/A	N/A	N/A	N/A	Remain disabled
	CER1.1P5	Active	Y	Y	W, Planning X86	Y	Y	To be disabled when C++ working CER1.1P8
	CER1.1P6	Disabled	N/A	N/A	N/A	N/A	N/A	Remain disabled
	CER1.1P7	Developing	Y	Y	Planning W, X86	Y	Y	Ada NPP
	CER1.1P8	Developing	Y	Y	Planning P4, P6	Y	Y	C++ NPP, Terra, Aqua
	CER1.2P1	Active	Y	Y	W, Planning P4, P6, X86	Y	Y	C code
	CER1.3P1	Active	Y	Y	W[3]	Y	Y	Replace with CER1.4P1 on P4, P6
	CER1.3P2	Active	Y	Y	W[3]	Y	Y	Replace with CER1.4P2 on P4, P6
	CER1.3P3	Active	Y	Y	W[3]	Y	Y	Replace with CER1.4P3 on P4, P6
ERBE-like - 2	CER2.1P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	Need to locate erbelikeqc mail list
	CER2.2P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER2.3P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER2.3P2	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER2.4P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
ERBE-like - 3	CER3.1P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER3.2P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER3.2P2	Disabled	N/A	N/A	N/A	N/A	N/A	
Clouds	CER4.1-4.0P1	Active	Y	N/A	W[3]	Y	Y	

4.1-4	CER4.1-4.0P2	SSIT	Y	Y	P4[4], Planning P6	Y	Y	
	CER4.1-4.1P1	Disabled	N/A	N/A	W	N/A	N/A	PCF script email / eos + operations and Sunny
	CER4.1-4.1P2	Active	N/A	N/A	W[3]	N/A	Y	
	CER4.1-4.1P3	Active	N/A	N/A	W[3]	N/A	Y	
	CER4.1-4.1P4	SSIT	Y	InProg	W, P4[4], Planning P6	Y	Y	PCF to eos operations
	CER4.1-4.1P5	SSIT	Y	InProg	W, P4[4], Planning P6	Y	Y	PCF to eos operations
	CER4.1-4.1P6	Developing	Y	InProg	W, Planning P4,P6	Y	Y	
	CER4.1-4.2P1	Active	N/A	N/A	W[3]	N/A	Y	
	CER4.1-4.2P2	SSIT	Y	InProg	W, P4[4], Planning P6	Y	Y	
	CER4.1-4.2P3	SSIT	Y	InProg	W, P4[4], Planning P6	Y	Y	
	CER4.1-4.2P4	Developing	Y	InProg	W, Planning P4,P6	Y	Y	
	CER4.1-4.2P5	Developing	Y	InProg	W, Planning P4,P6	Y	Y	
	CER4.1-4.3P1	Active	Y	N/A	W[3]	N/A	Y	
	CER4.1-4.3P2	SSIT	Y	InProg	W, P4[4], Planning P6	***N***	Y	
	CER4.1-4.3P3	Developing	Y	InProg	W, Planning P4,P6	Y	Y	
	CER4.1-4.4P1	Disabled	N/A	N/A	W	N/A	N/A	In Op Man, but not in FMP. Delete?

Inversion/SOFA	CER4.5-6.1P1	Disabled	N/A	N/A	N/A	N/A	Y	Probably not to be reactivated
4.5-6	CER4.5-6.1P2	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.1P3	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.1P4	Developing	Y	Y	W	Y	InProg	Terra Main Ed3 version of 1P2
	CER4.5-6.1P5	Developing	Y	Y	W	Y	InProg	Aqua Main Ed3 version of 1P3
	CER4.5-6.2P1	Disabled	N/A	N/A	N/A	N/A	Y	Probably not to be reactivated
	CER4.5-6.2P2	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.2P3	Developing	Y	Y	W	Y	InProg	Subset postprocessor for Terra and Aqua (Ed3 version of 2P2)
	CER4.5-6.3P1	Disabled	N/A	N/A	N/A	N/A	Y	Probably not to be reactivated
	CER4.5-6.3P2	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.3P3	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.4P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.4P2	Developing	Y	Y	W	Y	InProg	Monthly validation site (Ed3 for 4P1)
	CER4.5-6.6P2	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER4.5-6.6P3	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
SARB - 5	CER5.0P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER5.1P1	SSI&T	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER5.1P2	Active	***N***	InProg	P4, Planning P6	Y	Y	
	CER5.2P1	Deleted	N/A	N/A	N/A	Y	N/A	
	CER5.3P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER5.4P1	SSI&T	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER5.4P2	Active	***N***	InProg	P4, Planning P6	Y	Y	

TISA Grid - 6	CER6.1P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER6.2P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER6.3P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
TISA Avg - 7.1	CER7.1.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
SARB - 7.2	CER7.2.1P1	Active	***N***	***N***	W, P4, Planning P6	Y	Y	
TISA Avg - 8	CER8.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER8.2P1	Deleted	N/A	N/A	N/A	N/A	N/A	Merged with CER8.1P1
TISA Grid - 9	CER9.0P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER9.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER9.2P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER9.3P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
	CER9.4P1	Active	Y	Y	W, P4[4], Planning P6	Y	Y	
TISA Avg - 10	CER10.0P1	Developing	Y	Y	Planning P4, P6	Y	Y	
	CER10.0P2	Developing	Y	Y	Planning P4, P6	Y	Y	
	CER10.1P1	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P2
	CER10.1P2	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P1
	CER10.2P1	Deleted	Y	N/A	W	N/A	N/A	
	CER10.3P1	Deleted	Y	N/A	W	N/A	N/A	
	CER10.1P3	Disabled	Y	N/A	W	N/A	N/A	
	CER10.1P4	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P2 for Terra
	CER10.1P5	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P1 for Terra

GGEO - 11	CER11.1P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P2	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P3	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P4	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P5	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P6	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P7	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P8	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P10	Active	Y	InProg	W, Planning P4,P6	Y	Y	
	CER11.2P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.2P2	Active	Y	InProg	W, Planning P4,P6	Y	Y	TK is OK
	CER11.3P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.4P1	Active	Y	InProg	W, Planning P4,P6	Y	Y	
	CER11.5P1	Deleted	N/A	N/A	N/A	N/A	N/A	
	CER11.6P1	Active	Y	InProg	W, Planning P4,P6	***N***	Y	If TK OK for 11.2P2, this one probably okay
	CER11.7P1	Active	Y	Y	P4, Planning P6	Y	Y	
Regrid MOA -12	CER12.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	

Table 1 Key:		
[1]Status	Active	Currently able to run in production
	Developing	New PGE in development, still to be delivered for the first time. Values in columns to right of the "Current PGE Production Status" column, such as the "Prod. Platform" column, are assumptions only and are highly subject to change.
	Disabled	PGE not currently in production but could be reinstated if requested
	Deleted	PGE no longer in production with little or no possibility of being reinstated
	SSI&T	PGE delivered and in SSI&T testing prior to operational processing
[2]Prod. Platform	W	warlock
	P4	Magneto - IBM P4
	P6	Magneto - IBM P6
	X86	Magneto - IBM X86

[3]Prod. Platform	W	If no other platform is indicated, then the associated PGE will be deleted once warlock is removed. Replacement PGEs on other platforms will have a new PGE identifying number and a separate entry in spreadsheet.
[4]Prod. Platform	P4	Software delivered to platform and undergoing routine SSI&T testing. Not yet promoted to full production status on the platform.

Table 2: CERES Product Current Events Status Table

Product Name	Responsible Working Group	Archival, Internal, or Ext. Input	URL in Sample Read README updated? (Y/N)[3]
BDS	Instrument	Archival	***N***
ES-8	ERBE-like	Archival	***N***
ES-9	ERBE-like	Archival	***N***
ES-4	ERBE-like	Archival	***N***
SSF	Inversion	Archival	Y
CRS	SARB	Archival	***N***
FSW	TISA-Gridding	Archival	***N***
SYN	TISA-Averaging	Archival	Y
AVG	TISA-Averaging	Archival	Y
ZAVG	TISA-Averaging	Archival	Y
SFC	TISA-Gridding	Archival	***N***
SRBAVG	TISA-Averaging	Archival	Y
ISCCP-D2like-Day/Nit	TISA-Gridding	Archival	Y
ISCCP-D2like-GEO	TISA-GGEO	Archival	Y
INSTR	Instrument	Internal	N/A
IES	Instrument	Internal	N/A
EID-6	ERBE-like	Internal	N/A

CRH	Clouds	Internal	N/A
GGEO	TISA	Internal	N/A
MOA	SARB	Internal	N/A
CID-VIRS	Clouds	Ext. Input	N/A
CID-MODIS	Clouds	Ext. Input	N/A
SURFMAP	Clouds	Ext. Input	N/A
GEO	TISA	Ext. Input	N/A
APD	SARB	Ext. Input	N/A
GAP	SARB	Ext. Input	N/A
MWH	SARB	Ext. Input	N/A
OPD	SARB	Ext. Input	N/A

Table 2 Key:	
[3]URL Update	Sample Read Package README files: References to URL http://asd-www.larc.nasa.gov/ceres/ASDceres.html need to be updated to http://science.larc.nasa.gov/ceres

Revisions:		
Date	Affected Section or PGE/Product ID	Revsion Made
1/6/2009	CER4.1-4.0P2	New PGE entry into chart
	CER4.1-4.0P1, CER4.1-4.1P2-6, CER4.1-4.2Px, CER4.1-4.3Px, CER6.xP1, CER9.xP1	Changed Op Man in Word column value from "N" to "Y"
	CER4.1-4.1P5, CER4.1-4.2P3, CER4.1-4.3P2	Changed New Dir. Structure column value from "No" to "InProg"
	CER8.1P1	Changed New Dir. Structure column value from "InProg" to "Y", Changed Production status column value from "Developing" to "Active"
	CER4.1-4.3P2	Changed Prod Platform column value from "W" to "W, Planning P4, P6"
1/20/2009	CER1.0P1, CER1.1P8	Removed X86 from planned Prod Platform
	CER4.1-4.0P1, CER4.1-4.2P1	Removed P4, P6 from plannned Prod Platform
	CER4.1-4.0P2	Removed W from Prod Platform
	CER8.2P1	Removed "With upcoming delivery" from comment
	CER9.1P1, CER9.2P1, CER9.3P1, CER9.4P1	Changed New Dir. Structure column value from "InProg" to "Y"

2/3/2009	CER2.1P1	Added comment
	CER2.4P1	Changed TK 15 tested column values from "Y" to "InProg"
	CER8.2P1	Changed Prod Status Column value from "Inactive" to "Deleted"
	CER7.2.2P1, CER10.0P3	Removed from Table 1
	CER10.1P4, CER10.1P5	Changed Prod Status Column value from "Active" to "Disabled"
	CER1.0P2	Added to list
	CER1.1P8	Removed "W" from Prod Platform column value
	CER1.1P1,3,5	Added comments
	CER4.1-4.1P2,3, CER4.1-4.2P1, CER4.1-4.3P1	Changed Scripts NOMAD, New Directory, and TK 15 column values to "N/A", changed Prod Plat column value from "W" to "W[3]"
	CER4.1-4.0P1	Changed New Dir column value from a blank to "N/A"
	CER4.1-4.1P6, CER4.1-4.2P5,6, CER4.1-4.3P3	Changed Prod Status column value from "Delivered" to Developing, New Dir and TK column values to "InProg", and Prod Plat column value from "W" to "W, Planning P4,P6"
	CER501P1	Changed NOMAD column value from "N" to "Y"
	CER5.0P1, CER5.1P1, CER5.4P1	Changed New Dir column value from "InProg" to "Y"
	CER7.2.1P1	Changed OP Man in Word column value from "N" to "Y"
	ISCCP-D2like-GEO	Changed responsible group from TISA-Averaging to TISA-GGEO
	INSTR	Changed Sample Read Pkg URL Update from "N" to "N/A"
	SYN, AVG, ZAVG, ISCCP-D2like-Day/Nit, ISCCP-D2like-GEO	Changed Sample Read Pkg URL Update from "N" to "Y"
	Table 2	Removed column for DPC in Word. All DPC entries now in Word.

2/18/2009	CER4.5-6.1P2,3, CER4.5-6.2P2, CER4.5-6.3P2,3,	Changed New Dir. Structure column value from "InProg" to "Y", changed OP Man in Word column value from "Review" to "Y", Changed Prod Platform column value to indicate delivery to P4 in testing
	CER5.1P1, CER5.4P1, CER6.xP1, CER9.2P1, CER9.3P1, CER9.4P1	Changed Prod Platform column value to indicate delivery to P4 in testing
	CER10.0P1, CER10.0P2	Changed Prod Platform column value to not include "W"
	CER1.1P1,3,5, CER1.3P1-3	Indicated replacement PGEs for P4, P6
	CER4.5-6.1P1, CER4.5-6.2P1, CER4.5-6.3P1	Changed Op Man in Word column value from "N/A" to "Y"
	CER4.5-6.1P4,5, CER4.5-6.2P3, CER4.5-6.4P2	Changed Op Man in Word column value from "N" to "InProg"
	CER11.4P1	Changed TK 15 tested column value from "InProg" to "Y"
	CER11.7P1	Changed TK 15 tested column value from ""N to "Y", removed comment
	Table 2 - SSF	Changed URL in Sample Read column value from "N" to "Y"
3/3/2009	CER1.0P2, CER4.1-4.1P4,5, CER4.1-4.2P2,3, CER4.1-43P2	Changed Production status column value from "Developing" to "SSIT", Changed value in New Dir Structure column from "InProd" to "Y", Changed Prod. Platform column value to indicate delivery to P4 made and in pre-operational testing.
	CER4.1-4.1P6, CER4.1-4.2P4,5, CER4.1-43P3	Changed TK 15 tested column values from "InProg" to "Y"